Sheet

PTC/SB/06A (07-06)
Approved for use through 03/31/2007 CMB 0651-0031
U.S. Petent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

## Substitute for form 1445/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Lise as many sheets 6s necessary)

US-2007/0082443 A1 US-7119026 B2

U. S. PATENT DOCUMENTS Panes Columns Lines Where Document Number Publication Date Name of Patentee or Examine Cite Relevant Passages or Relevant Applicant of Cited Document MM-DD-YYYY Initials\* Number-Kind Code<sup>2 (Fix)</sup> Figures Appear 11-10-1992 SHIMADA et al. US-5162901 01-28-1997 KONDO et al. US-5598285 KONDO et al US-5737051 04-07-1998 US-6124915 00-26-2000 KONDO et al. YAMAZAKI et al. US-6369410 B1 04-09-2002 07-10-2003 AOKI US-2003/0129321 A1 YAMAZAKI et al. US-6613614 B2 09-02-2003 YUDASAKA et al. US-6514801 B1 02-04-2003 US-8734029 B2 05-11-2004 ELIBLISAWA YAMAZAKI et al. US-2005/0163938 A1 07-28-2005 NAKAMURA et al. US-2005/0095356 A1 05-05-2005 US-6341004 B1 01-22-2002 KONDO et al. KONDO et al 04-20-2004 US-6724455 B2 US-2002/0063822 A1 05-30-2002 KONDO et al KONDO et al 09-30-2004 US-2004/0189923 A1 07-25-2002 YAMAZAKI et al. US-2002/0096681 A1 US-2007/0051952 A1 03-08-2007 YAMAZAKI et al.

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures	⊤€
Initials*	No 1	Country Code <sup>3</sup> -Number <sup>6</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Appear	
		EP 0 399 846 A2	11-28-1990			Eng.
		JP-2002-359246A	12-13-2002			Abst.
-		JP-11-251259	09-17-1999			Abst
		JP-10-270843	10-09-1998			Abst.
		JP-09-260808	10-03-1997			Abst.
		JP-11-326951	11-26-1999			Abst.

04-12-2007

10-10-2006

YAMAZAKI et al.

HONDA et al.

Examiner	/Britt Hanley/ (01/03/2011)	Date	
Signature	/ Line / (0 1/ 00/ L0 / //	Considered	

\*PEAMANER, Inside fretrence considered whereir or not claim is in conformation with MECP 000. Date in the trough claim on in on conformation with ordinary claims of the conformation with ordinary claims. It is shown that the company of the conformation of the confor

This solderion of information is required by 3.0 S.C. 12 and 1.68. The information is required to obtain or retain a benefit by the public which is the fix reflect by the USFTO to process an application. Confidentially, an expected by 3.0 S.C. 12 and 5.0 F.T. 1.1. No. 10 section is estimated by the size 2 fours to completely, expected perspective application from the size of the size 2 fours to complete the public of the size 2 fours to complete the size of the size 2 fours to complete the size of the size of the size 2 four to complete the size of the size 2 four to complete the size of the size 2 four the size 2 four to complete the size 2 four the size 2 four

PTO/S8/08A (07-05)
Approved for use through 03/31/2007 OMB 0551-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Undor the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Complete if Known Substitute for form 1449/PTO 10/576.867 Application Number INFORMATION DISCLOSURE April 21, 2006 Filing Date STATEMENT BY APPLICANT Shunpei YAMAZAKI et al. First Named Inventor 2889 Art Unit (Use as many sheets as necessary) Britt D. HANLEY Examiner Name 740756-2953 Attorney Docket Number Short d

Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines. Where Relevant Passages or Relevant
No.1	Number-Kind Code <sup>2 (flower)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	US-6846616 B2	01-25-2005	KOBAYASHI et al.	
	US-6833225 B2	12-21-2004	OOISHI	
	US-7205096 B2	04-17-2007	PARK et al.	
	US-6090489	07-18-2000	HAYAKAWA et al.	
	US-2004/0004221 A1	01-08-2004	MURADE	
	US-2004/0195569 A1	10-07-2004	HASHIMOTO et al.	
	US-2003/0127974 A1	07-10-2003	MIYAZAWA	
	US-2005/0029591 A1	02-10-2005	YUDASAKA et al.	
	US-2003/0203643 A1	10-30-2003	HASEI et al.	
- 1-0	US-2004/0207792 A1	10-21-2004	WU	
-1101/-		1		
		No. Number And Code <sup>2 (Number)</sup> US-6846616 B2 US-6833225 B2 US-6933225 B2 US-7205066 B2 US-6090429 US-20040004221 A1 US-2004/0904221 A1 US-2003/0127974 A1 US-2003/0127974 A1 US-2003/0127974 A1 US-2003/0127974 A1	Nat	Number Virio Cybel   Virines   MM DD-YYY

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T <sup>0</sup>	
	No.1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) MM-	MM-DD-YYYY	MM-DD-YYYY Applicant of Cited Document	Appear		
		JP-08-330600A	12-13-1996			Abst.	
		JP-11-261076	09-24-1999			Abst.	
		JP-11-340129	12-10-1999			Full	
	-	JP-06-273803	09-30-1994			Abst.	
		JP-2001-179167A	07-03-2001			Full	
		JP-2003-209339A	07-25-2003			Full	

Examiner Signature	/Britt Hanley/ (01/03/2011)	Date Considered

\*EXAMENER Initial invalence considered, whether or not classon is in conformance with IMPEP 609. Data the transphilation if not in conformance and not considered, mouse copy of this form with next communication to appoint a \*Lappicitan\* Lappicitan\* in Lappicita

This collection of information is required by 37 CFR 1.97 and 1,88. The information is required to obtain or matrix a benefit by the public which is to file (and by the USPTO) is process in a speciation. Confidentially a governed by 39 US.S. C. 122 and 37 CFR 1.14. This collection is eliminated to laid 2 flows to complete for bedung gentlemap, and public training the complete speciation from the USPTO. Time will very periodric grant the information officer, US. Please and Talemank Office, P.O. Sen 1420. Alexandria, VA. 22313-1450. LO NOT SEND FEES OR COMPLETED FORMS TO HIS ACCIDINGS. SEND TO. Commissioner for Petatests, P.O. Box 1420. Alexandria, VA. 22313-1450. LO NOT SEND FEES OR COMPLETED FORMS TO HIS ACCIDINGS. SEND TO. Commissioner for Petatests, P.O. Box 1420. Alexandria, VA. 22313-1450. LO NOT SEND FEES OR COMPLETED FORMS TO HIS ACCIDINGS. SEND Trained with petatests and the petatest petatests.

O.

PTO/SB/08A (07-06) Approved for use through 03/31/2007. OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless a contains a valid OMB control num Complete if Known Substitute for form 1449/PTO Application Number 10/576,867 INFORMATION DISCLOSURE April 21, 2006 Filing Date STATEMENT BY APPLICANT Shunpei YAMAZAKI et al First Named Inventor 2889 Art Unit (Use as many sheets as necessary) Britt D. HANLEY Examiner Name 740756-2953 Attorney Docket Number 3

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.1	Number-Kind Code <sup>2 (Florent)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	_				
-					
-		- 1			
			-		
	-		+		
- 2000					

Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	
Initals*	No 1	Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Oiled Document	Appear	т
		JP-2003-209340A	07-25-2003			Abst
		JP-2003-178872A	06-27-2003			Abst
	-1-0	JP-2003-315813A	11-06-2003			Abst
		JP-2000-029053A	01-28-2000			Abst
	-	JP-2003-506886A	02-18-2003			Abst
		JP-2003-098548A	04-03-2003			Abst

Examiner /Britt Hanley/ (01/03/2011) Date Considered				
	Examiner	er   /Britt Hanley/ (01/03/2011)		
Signature	Signature		Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique dilation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at wave users once on VIPEP 901 of 3. Enter Office that resund the document, by the two-latter code (MIPO Standard ST 3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the social number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST.16 if possible 6 Applicant is to place a check mark here if Enofish language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.96. The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This cortection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the compreted application form to the USPTD. This will vary deporting upon the individual case. Any comments on the amount of time you require to complete this form endor suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Officer, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (07-06)
Approved for use through 03/31/2007 OMS 0651-0031
tent and Trademark Office U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE.

Under the Papersone Reduction Act of 1995, no persons are required to respond to a collection of information unities a coverant a safet CMB contract number.

Speake, the form 1445/PTO

Complete If No.vom

Substitute for form 1449/P	то				Complete if Known
INFORM	ATION DI	2010	STIDE	Application Number	10/576,867
INFORMATION DISCLOSURE				Filing Date	April 21, 2006
STATEM	STATEMENT BY APPLICANT			First Named Inventor	Shunpei YAMAZAKI et al.
				Art Unit	2889
(Use as many sheets as necessary)				Examiner Name	Britt D. HANLEY
Sheet	4	of	7	Attorney Docket Number	740756-2953

Exampler Cite		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
initials*	No 1	Number-Kind Code <sup>2 (Flavour)</sup>	MM-DD-YYYY	Applicant of Cited Document	Refevant Passages or Refevant Figures Appear
			ļ		
	-				
			1		
			T T		
			1		
		· · · · · · · · · · · · · · · · · · ·			

	FOREIGN PATENT DOCUMENTS						
Examiner initials*	Cite	Foreign Patent Document	Publication Data	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passagas or Relevant Figures	76	
	No.1	Country Code <sup>9</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Appear		
		JP-2002-049333A	02-15-2002			Abst	
		WO-1997/043689	11-20-1997			Abst.	
		JP-07-297404	11-10-1995			Abst.	
		JP-04-056168A	02-24-1992			Abst.	
		JP-2003-258226A	09-12-2003			Abst.	
		JP-2002-217421A	08-02-2002			Abst.	

Examiner Signature /Britt Hanley/ (01/03/2011) Date Considered	
In Hanight (UT/US/2011)	Date
Signature /Diffit Fidurely (07/05/2011) Considered	3/2011) Considered

EQAIA SIZE Initial reference considered, whether or not critation is its conformation shift MPEP 900. Draw the immain collection from the conformation and not contomission effects of conformation with the communication pages of 1 specified in suppose (all in explained in suppose (all in explained in suppose (all in explained in explained in suppose (all in explained in explaining in explaini

This collection of information is required by 31 CFR 1.97 and 1.98. The information is required to obtain or relatin is benefit by the public which is to the (and by the USPTO to process) an application. Certificateably as governed by 36 U.S.C. 1.22 and 1.5 CFR 1.41. This collection is estimated to be set? howe so complete, including pathware, preparing and is ubmitting the completed application from the USPTO Time will very december group part of and disclosured. Any comment on the about of the tops, un require to complete in fill the set of the Complete application from the Complete group and in the Complete group of the Complet

PTO/SB/08A (07-06)
Approved for use through 03/31/2007 OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

ins a valid OMB control number inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information w Complete if Known Substitute for form 1449/PTO 10/576.867 Application Number INFORMATION DISCLOSURE April 21, 2006 Filing Date STATEMENT BY APPLICANT Shunpei YAMAZAKI et al First Named Inventor 2889 Art Unit (Use as many sheets as necessary) Britt D. HANLEY Examiner Name 740756-2953 Attorney Docket Number Sheet of

Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.	Number-Kind Code <sup>2 (f Inove)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
					A
					~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
			1		

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T <sup>d</sup>
initials*	No 1	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Appear	
		JP-05-119351	05-18-1993			Abst.
		JP-2003-059940A	02-28-2003			Abst.
		JP-2003-241177A	08-27-2003			Abst.
		JP-2003-149831A	05-21-2003			Abst.
		JP-2003-050405A	02-21-2003			Abst.
		JP-2003-058077A	02-28-2003			Abst.

Examiner		Date
	/Britt Hanley/ (01/03/2011)	On a side and
Signature	/DHIL Halley/ (01/03/2011)	Considered
- 9		

\*\*EXAMINE has if reference considered, whether or not catesian is a conformance with MPCF 960. There has irrept about or find in conformance and not considered this disc copy of the form when the communities that spatical \*\*Linguistican impact or plants in manual telephone propriate in material propriate propriate in the propri

This condition of information is required by 37 CFR 1: 97 and 1:56. The information is required to citizen or which is benefit by 80 public sechle is to find early by the USPFO to process it is required. Conditionably as powered by 30 is 61. 12 and 27 CFR 1. 1. This collection is required incess of boards to complete, floating period in complete disposition from the USPFO. There is level depending upon the individual case. Any comments on the amount of their purrequisit to condition fill for the order approach on the first board of the purrequisit to condition fill for the order approach of the order approach orde

PTO/SB/08A (07-06)
Approved for use through 03/31/2007 OMS 0651-0031

U.S. Patient and Trademark Office; U.S. DEPARTMENT OF COMMERCE.

Substitute for form 1449/P	ubstitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE				Application Number	10/576,867	
				Fiting Date	April 21, 2006	
STATEMENT BY APPLICANT			CANT	First Named Inventor	Shunpei YAMAZAKI et al.	
				Art Unit	2889	
(Use	as many sheets as r	necessary)		Examiner Name	Britt D. HANLEY	
Sheet	6	of	7	Attorney Docket Number	740756-2953	

Examiner	Cite		Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials*	No.	Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
			<del></del>		
-	L .				
			I		
	100 W. 1				
			1		,

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Palentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	79	
initials*	No,1	Country Code <sup>2</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If known)	MM-DD-YYYY	Applicant of Cited Document	Appear	,	
		JP-2001-196590A	07-19-2001			Abst.	
		JP-03-141325	06-17-1991			Abst.	
		JP-09-179142	07-11-1997			Abst.	
		JP-2003-229579A	08-15-2003			Abst	
		JP-2003-197612A	07-11-2003			Abst.	
		JP-2002-190598A	07-05-2002			Abst.	

Examiner	(Dults Hamland (04 (00 (0044))	Date
Signature	/Britt Hanley/ (01/03/2011)	Considered

\*EAUNINE, Itself of Networks accessioned, whether or not categorises and extractions with MPEP 000. Due to he through citation intent conformance and not conficience, include copy of the form with not communitation to applicant. 1 Application to specify an expectation unless of personal 2-29 Kernetic Codes (MEVEP) Petent Decomments at <u>your weighting or more than 100 Mercessions. The special intention of the peter of the responsibility of the non-time code (MEVE) distincted \$1.5), A Pet Appealses peter discussions, the indication of the year of the responsibility of the Peter of the Responsibility of the Responsib</u>

Sheet

of

PTC/SB/08A (07-06) Approved for use through 03/31/2007 OMB 0651-0031 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

ntains a veiid OMB control number nder the Paperwork Reduction Act of 1995, no persons are required to respond to a co Substitute for form 1449/PTO Complete if Known 10/576.867 Application Number INFORMATION DISCLOSURE Filing Date April 21, 2006 STATEMENT BY APPLICANT First Named Inventor Shunpei YAMAZAKI et al Art Unit 2889 (Use as many sheets as necessary) Examiner Name Britt D. HANLEY 740756-2953 Attorney Docket Number

Examper	Çrie	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
initials*	No '	Number-Kind Code <sup>2 (Farow)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
-					
	-				
0.00					

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Floures	<b>-</b> -6
intials*	No.1	Country Code <sup>5</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If known)	MM-DD-YYYY	Applicant of Cited Document	Appear	
		WO-2000/059040	10-05-2000			Abst.
		EP 0 588 568 A2	03-23-1994			Eng.
		EP 0 916 992 A2	05-19-1999			Eng.
		EP 1 061 404 A1	12-20-2000			Eng.
		EP 1 113 502 A1	07-04-2001			Eng.

Examiner	/Britt Hanley/ (01/03/2011)	Date
Signature	ibila ilaliloji (o il ooleo il)	Considered

\*EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. I Applicant's unique citation designation number (optional). 2 See Kness Codes of USPTO Palent Documents at <u>were usaglo pay</u> or MPCP 991 64. 3 Enter Office that issued the occurrent, by the Noveletic code (MPCP Standard ST.3). 4 for Japanese palent documents, the indication of the year of the regard of the Empirican must require of the palent occurrent of the option occurrent. If Am of concurrent by the approximate symbols are related on the document of MPC Standard ST.16 if possible. 6 Paginard is to place a circuit with the if English language Translation is attached

This collection of information is required by 37 CFR 1,97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandra, VA 22313-1450 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.